

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	753	S1 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 11:17
S6	1	("4565588").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:24
S7	1	("5998933").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 12:25
S8	3	((("6041735") or ("6050218") or ("6076483"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:28
S9	8	((("6132552") or ("6150628") or ("6164241") or ("6165376") or ("6182604") or ("6237527") or ("6239553") or ("6291938"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:34
S11	1	("6265328").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:48
S10	1	("6433553").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 12:48
S12	3	S5 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:03
S5	48	("20030013314" "4584026" "4892752" "5040046" "5074456" "5288650" "5423945" "5510011" "5643838" "5653811" "5660895" "5665640" "5888413" "5985742" "5995207" "6000360" "6013567" "6020592" "6096661" "6101971" "6103599" "6139697" "6153524" "6155090" "6174450" "6174743" "6187110" "6207005" "6248642" "6265328" "6291313" "6303519" "6321134" "6350697" "6392351" "6417078" "6426015" "6461972" "6511899" "6513538" "6528391" "6579805" "6582999" "6593173" "6679981" "6800559" "6811448" "6838695").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:03

## EAST Search History

S4	122	("2344138" "20010042827" "20020047543" "20030013314" "3109100" "3576685" "3907616" "4116791" "4382099" "4385946" "4434036" "4465529" "4481229" "4500563" "4521441" "4539217" "4584026" "4656588" "4698104" "4764394" "4778561" "4867859" "4871421" "4892753" "4912065" "4937205" "4948458" "5040046" "5061838" "5074456" "5106827" "5107201" "5270250" "5277751" "5288650" "5290382" "5312778" "5354381" "5423945" "5435881" "5505780" "5510011" "5514603" "5520209" "5542559" "5561072" "5569363" "5572038" "5587038" "5627435" "5643838" "5648701" "5653811" "5654043" "5660895" "5665640" "5674321" "5683517" "5711812" "5718798" "5770982" "5888413" "5897752" "5911832" "5935077" "5944942" "5948168" "5985742" "5994207" "5994236" "6000360" "6013567" "6020592" "6096661" "6101971" "6103599" "6139697" "6153524" "6155090" "6174450" "6174743" "6187110" "6207005" "6248642" "6264328" "6291313" "6300643" "6303519" "6305316" "6321134" "6335536" "6339297" "6341574" "6348126" "6350697" "6392351" "6403453" "6410449" "6417078" "6418874" "6426015" "6443553" "6453842" "6461972" "6468388" "6494986" "6511899" "6513538" "6514838" "6528391" "6551446" "6559408" "6579805" "6582999" "6593173" "6679981" "6800559" "6811448" "6838695").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:12
S14	5076	(applied adj materials).as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:13
S13	268	(kenneth near2 collins hiroji near2 hanawa kartik near2 ramaswamy andrew near2 nguyen amir near2 al-bayati biagio near2 gallo gonzalo near2 monroy).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 13:13

## EAST Search History

S16	148	("6077384" "6097157" "6126778" "6193836" "6220201" "6220201" "6230652" "6232236" "4572759" "4579618" "4600464" "4810322" "4889588" "4999320" "5015331" "5209803" "5213659" "5256245" "5279669" "5308417" "5433823" "5453305" "5467013" "5472561" "5529197" "5585012" "5607542" "5614055" "5667701" "5683539" "5685941" "5702530" "5744049" "5753044" "5777289" "5811022" "5824607" "5879575" "5880034" "5897712" "5903106" "5907221" "5919382" "5948168" "5965035" "5976308" "5983828" "6016131" "6022749" "6030486").pn. ("6035868" "6051099" "6063203" "6073577" "6104487" "6125788" "6136256" "6143129" "6148765" "6153849" "6155203" "6174450" "6189484" "6194322" "6207007" "6228781" "6248250" "6251792" "6252354" "6253704" "6257760" "6270617" "6277251" "6291793" "6297468" "6306247" "6309978" "6312556" "6323132" "6361705" "6364995" "6369348" "6369349" "6373022" "6375744" "6387287" "6395641" "6401652" "6409933" "6413359" "6413389" "6414648" "6444137" "6447636" "6451161" "6462481" "6465051" "6468385" "6471822" "6475335").pn. ("6488807" "6504126" "6507155" "6518190" "6518195" "6524432" "6545420" "6551447" "6572732" "6577915" "6613689" "6623596" "6667577" "6685798" "6694915" "6706142" "6733621" "6770166" "6794301" "6804572" "6812044" "6852243" "6853141" "6893533" "6894245" "6900596" "5661043" "5672541" "4412238" "4512815" "5258077" "5270263" "5510272" "5550082" "5637510" "5756391" "5861329" "5891791" "5965932" "6004864" "6171919" "6380012" "6716727" "6838677" "6040607" "6097062" "6225188" "6225188" "6080270" "4784720").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:10
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## EAST Search History

S15	147	("6410449" "6939434" "5540800" "6893907" "6165311" "6444085" "5468665" "5527719" "5604138" "5840611" "5599735" "6048782" "6051073" "6186091" "6213050" "6217724" "6213050" "6217724" "6228176" "6269765" "6361644" "6076482" "5296091" "5304278" "5944899" "6352936" "6767698" "6040249" "4382099" "5641707" "5866472" "6090690" "4376672" "5354381" "5572038" "6632482" "5718795" "6022446" "6036878" "5565074" "5883016" "5468339" "6113735" "6120660" "6132551" "6238588" "6261406" "6300227" "6305316" "6444084").pn. ("6451703" "6736931" "6391690" "6335542" "5620906" "5897346" "5489550" "6174757" "6228750" "4912065" "5897363" "6127237" "6347636" "6348099" "6352591" "6359310" "6376343" "6383901" "6444037" "6461923" "6717211" "6762136" "6950190" "6182604" "5442185" "5449920" "5470781" "6027988" "6153524" "6207005" "6274459" "6321134" "6344404" "6087615" "6013566" "6214707" "6214707" "4436581" "5558718" "6348764" "5262029" "5273723" "5227329" "4988403" "6344116" "4806199" "6348126" "6453842" "6468388" "6494986").pn. ("5560778" "5656337" "5747387" "5192849" "5926689" "5964949" "4842683" "5215619" "5948283" "4613400" "5534231" "5273609" "5405492" "5556501" "5865937" "6022460" "5210466" "5552017" "5605637" "5656123" "5683548" "5716485" "6054013" "6068784" "6184158" "4585668" "4630566" "4849068" "4996077" "5223457" "5228939" "5312778" "5332468" "5514246" "5527394" "5618382" "5647913" "5707486" "5710486" "5779849" "5849136" "5865896" "5888414" "5976900" "5980688" "6015476" "6020686" "6026762" "6027606" "6039834").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:10
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## EAST Search History

S19	296	S15 S16 S17 S18	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:11
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## EAST Search History

S18	148	("6193836" "6220201" "6220201" "6230652" "6232236" "4572759" "4579618" "4600464" "4810322" "4889588" "4999320" "5015331" "5209803" "5213659" "5256245" "5279669" "5308417" "5433823" "5453305" "5467013" "5472561" "5529197" "5585012" "5607542" "5614055" "5667701" "5683539" "5685941" "5702530" "5744049" "5753044" "5777289" "5811022" "5824607" "5879575" "5880034" "5897712" "5903106" "5907221" "5919382" "5948168" "5965035" "5976308" "5983828" "6016131" "6022749" "6030486" "6035868" "6051099" "6063203").pn. ("6073577" "6104487" "6125788" "6136256" "6143129" "6148765" "6153849" "6155203" "6174450" "6189484" "6194322" "6207007" "6228781" "6248250" "6251792" "6252354" "6253704" "6257760" "6270617" "6277251" "6291793" "6297468" "6306247" "6309978" "6312556" "6323132" "6361705" "6364995" "6369348" "6369349" "6373022" "6375744" "6387287" "6395641" "6401652" "6409933" "6413359" "6413389" "6414648" "6444137" "6447636" "6451161" "6462481" "6465051" "6468385" "6471822" "6475335" "6488807" "6504126" "6507155").pn. ("6518190" "6518195" "6524432" "6545420" "6551447" "6572732" "6577915" "6613689" "6623596" "6667577" "6685798" "6694915" "6706142" "6733621" "6770166" "6794301" "6804572" "6812044" "6852243" "6853141" "6893533" "6894245" "6900596" "5560778" "5656337" "5747387" "6040607" "6097062" "6225188" "6225188" "5661043" "5672541" "4412238" "4512815" "5258077" "5270263" "5510272" "5550082" "5637510" "5756391" "5861329" "5891791" "5965932" "6004864" "6171917" "6171919" "6380012" "6716727" "6838677" "4784720").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:11
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## EAST Search History

S17	147	("6410449" "6939434" "5540800" "6165311" "6444085" "6893907" "5468665" "5527719" "5604138" "5840611" "5599735" "6048782" "6361644" "6076482" "6051073" "6186091" "6213050" "6217724" "6213050" "6217724" "6228176" "6269765" "5296091" "5304278" "5944899" "6352936" "6767698" "4382099" "6040249" "4376672" "5718795" "6022446" "6036878" "5565074" "5468339" "6132551" "6238588" "6261406" "6444084" "6451703" "6736931" "6391690" "6335542" "5641707" "5866472" "6090690" "5354381" "5572038" "6632482" "5620906").pn. ("5897346" "5489550" "6174757" "6228750" "4912065" "5897363" "6127237" "6347636" "6348099" "6352591" "6359310" "6376343" "6383901" "6444037" "6461923" "6717211" "6762136" "6950190" "5470781" "5883016" "6113735" "6120660" "6300227" "6305316" "6182604" "5442185" "5449920" "6013566" "6027988" "6087615" "6153524" "6207005" "6214707" "6214707" "6274459" "6321134" "6344404" "4436581" "6348764" "5227329" "4988403" "6344116" "5262029" "5273723" "5558718" "6348126" "6453842" "6468388" "6494986" "4806199").pn. ("5192849" "5926689" "5964949" "4842683" "5215619" "5948283" "4613400" "5534231" "5273609" "5405492" "5556501" "5865937" "6022460" "5210466" "5552017" "5605637" "5656123" "5683548" "5716485" "6054013" "6068784" "6184158" "4585668" "4630566" "4849068" "4996077" "5223457" "5228939" "5312778" "5332468" "5514246" "5527394" "5618382" "5647913" "5707486" "5710486" "5779849" "5849136" "5865896" "5888414" "5976900" "5980688" "6015476" "6020686" "6026762" "6027606" "6039834" "6077384" "6097157" "6126778").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:11
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## EAST Search History

S3	96	S2 and (capacit\$4) and (induc\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 14:12
S20	80	("3855110"   "3926147"   "4006340"   "4042128"   "4304983"   "4371412"   "4461783"   "4500563"   "4566403"   "4615298"   "4764394"   "4803332"   "4811684"   "4846928"   "4847792"   "4853250"   "4887005"   "4948458"   "4950956"   "4951601"   "4952273"   "4960073"   "4996077"   "5015353"   "5133826"   "5183775"   "5202095"   "5203960"   "5234529"   "5250328"   "5252178"   "5273610"   "5277751"   "5280154"   "5286296"   "5289010"   "5296272"   "5342472"   "5346578"   "5354381"   "5362353"   "5368710"   "5370765"   "5374456"   "5401350"   "5404079"   "5405480"   "5411591"   "5411592"   "5413955"   "5435880"   "5436175"   "5464476"   "5487785"   "5490910"   "5498290"   "5504328"   "5531834"   "5554223"   "5571366"   "5614055"   "5648701"   "5651868"   "5653811"   "5654043"   "5661043"   "5683548"   "5707486"   "5710057"   "5711812"   "5726413"   "5772832"   "5976259"   "6051073"   "6068784"   "6136140"   "6204607").PN. OR ("6338313"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:21
S21	613	S2 not S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 14:22
S22	26	S21 and anneal\$3 and (clean\$3 etch\$3) and (optical)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 16:03



## EAST Search History

S23	587	S21 not S22	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 16:05
S25	568	S23 not S24	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 16:09
S24	19	S23 and ion adj implant\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 16:09
S26	44	("4746394"   "4808546"   "5183775"   "5196355"   "5289010"   "5296272"   "5305221"   "5311028"   "5342652"   "5354381"   "5380682"   "5427638"   "5436175"   "5498290"   "5525159"   "5554249"   "5554853"   "5580429"   "5641707"   "5661043"   "5711812"   "5822172"   "5854123"   "5856674"   "5928389"   "5985742"   "5994207"   "6010579"   "6013563"   "6027988"   "6048411"   "6082950"   "6083324"   "6099598"   "6103599"   "6122566"   "6132289").PN. OR ("6321134"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 17:32
S27	31	("4592306"   "4886592"   "5019233"   "5024570"   "5067218"   "5076205"   "5135608"   "5202716"   "5259881"   "5388945"   "5399531"   "5404894"   "5443346"   "5445491"   "5536128"   "5601686"   "5820679"   "5858863").PN. OR ("6099598").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 17:40

## EAST Search History

S28	100	("3117022"   "3225820"   "3551213"   "3786359"   "3806380"   "3832219"   "3900636"   "3915757"   "3957107"   "3993909"   "4006340"   "4039416"   "4074139"   "4107350"   "4108751"   "4121334"   "4170662"   "4252837"   "4274004"   "4342631"   "4346123"   "4361600"   "4368083"   "4412868"   "4452644"   "4468309"   "4471003"   "4486247"   "4490190"   "4500563"   "4508056"   "4536657"   "4566403"   "4567505"   "4568563"   "4585945"   "4684535"   "4704302"   "4717683"   "4764394"   "4837172"   "4846928"   "4847792"   "4853250"   "4887005"   "4894709"   "4931405"   "4948458"   "4952273"   "4960073"   "4996077"   "5015353"   "5034343"   "5070040"   "5082793"   "5110748"   "5133826"   "5196355"   "5198371"   "5202095"   "5203960"   "5234529"   "5250328"   "5252178"   "5273610"   "5304509"   "5342472"   "5368710"   "5370765"   "5374564"   "5376560"   "5404079"   "5405480"   "5411592"   "5435880"   "5487785"   "5494835"   "5504328"   "5559043"   "5653811").PN. OR ("6027988").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 17:42
S30	38	S29 not S26 not S27 not S28	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 17:45

## EAST Search History

S29	63	("4746394"   "4808546"   "5183775"   "5196355"   "5289010"   "5296272"   "5305221"   "5311028"   "5342652"   "5354381"   "5380682"   "5427638"   "5436175"   "5498290"   "5525159"   "5554249"   "5554853"   "5580429"   "5641707"   "5661043"   "5711812"   "5822172"   "5854123"   "5856674"   "5965034"   "6013563").PN. OR ("6153524").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 17:45
S33	284	S32 not S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 18:22
S31	69	("3850105"   "3973665"   "3976330"   "4047624"   "4749465"   "4775281"   "4829445"   "4951601"   "4985722"   "5001327"   "5060354"   "5086729"   "5110249"   "5178638"   "5187115"   "5203443"   "5227708"   "5252807"   "5259883"   "5275709"   "5288379"   "5355066"   "5377816"   "5382126"   "5447409"   "5469035"   "5470784"   "5505779"   "5512320"   "5535306"   "5536128"   "5537311"   "5607009"   "5628828"   "5674786"   "5701627"   "5838121"   "5855681"   "5881649"   "5961269"   "5976199").PN. OR ("6235634"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 18:22
S34	136	S33 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 18:23

## EAST Search History

S32	420	((156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/29 18:41
S36	203	S35 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 18:42
S35	727	(414/939).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/29 18:42
S38	296	S19 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 19:08
S37	131	S36 not S2 not S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/29 19:08
S39	4	("4861424"   "5795831"   "5811358"   "6461801").PN. OR ("6767698").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:12
S40	23	("20020090818"   "20020098713"   "20020125829"   "20020155679"   "3908183"   "4276477"   "4283631"   "4899059"   "4922106"   "5350926"   "5354381"   "5424244"   "5452177"   "5711812"   "5907158"   "5911832"   "6020592"   "6111260"   "6153524"   "6182604"   "6203620"   "6221169"   "6440221").PN. OR ("6716727"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:15

## EAST Search History

S41	21	("20020038196"   "20020151092"   "20030223066"   "20030224261"   "4579463"   "4636088"   "4854710"   "5607800"   "5739909"   "5798837"   "5867276"   "5963329"   "5978074"   "6383824"   "6429943"   "6451621"   "6458605"   "6660543"   "6697153"   "6806951"   "6823231").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:40
S43	27	("20020135781"   "20030204348"   "20040121495"   "5867276"   "5877860"   "5880838"   "5956692"   "6051348"   "6055463"   "6081334"   "6115643"   "6141107"   "6223098"   "6245584"   "6319884"   "6383888"   "6423977"   "6433878"   "6445969"   "6479200"   "6529282"   "6597447"   "6643557"   "6650955"   "6721939"   "6742168"   "6766214").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:44
S44	14	("20010032995"   "4826787"   "5122479"   "5139869"   "5772862"   "5907780"   "5912797"   "5923056"   "5993947"   "6013553"   "6020243"   "6184072"   "6235648"   "6258655").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:48
S46	27	("4434036"   "4764394").PN. OR ("5654043").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:49
S47	14	("4438315"   "4912065"   "4937205"   "5110437"   "5573597"   "5585012"   "5654043"   "5674321"   "5690781"   "5711812"   "5717294"   "6070550").PN. OR ("6237527").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:52
S48	43	("5155331"   "5261962"   "5277751"   "5346578"   "5368710"   "5433812"   "5468296").PN. OR ("5690781").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 19:54
S51	5	S50 not S42	US-PGPUB; USPAT	OR	ON	2005/09/29 20:06

## EAST Search History

S50	99	((plasma same (ion adj implant\$4 immers\$4)) piii) same (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool))	US-PGPUB; USPAT	OR	ON	2005/09/29 20:06
S49	1004	plasma same (ion adj implant\$4 immers\$4 piii) and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool))	US-PGPUB; USPAT	OR	ON	2005/09/29 20:07
S53	18	("3873884"   "4368092"   "4918031"   "4943345"   "5234529"   "5241245"   "5304282"   "5361016"   "5405480"   "5431968"   "5534231"   "5571366"   "5573595"   "5591493"   "5637961"   "5965034"   "6017221"   "6127275").PN. OR ("6858112").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 20:10
S54	99	("4289188"   "4430151"   "4491499"   "4950956"   "5014217"   "5068002"   "5234529"   "5261962"   "5273609"   "5277751"   "5280154"   "5304279"   "5308414"   "5318806"   "5346578"   "5401350").PN. OR ("5571366").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 20:14
S55	3	("5292393"   "6036878").PN. OR ("6645870").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 20:30

## EAST Search History

S56	53	("4123316"   "4261762"   "4427516"   "4427762"   "4430547"   "4457359"   "4512391"   "4565601"   "4711698"   "4756810"   "4786352"   "4786359"   "4793897"   "4807016"   "4810935"   "4842683"   "4870245"   "4918031"   "4948458"   "4990229"   "5000113"   "5015330"   "5074456"   "5187454"   "5203956"   "5241245"   "5249251"   "5258824"   "5276693"   "5277751"   "5326404"   "5346578"   "5349313"   "5392018"   "5399237"   "5401350"   "5414246"   "5423945"   "5477975"   "5529657"   "5556501").PN. OR ("6036878"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/29 20:37
S58	380	S57 not S52	US-PGPUB; USPAT	OR	ON	2005/09/29 20:42
S59	3	("5292393"   "6036878").PN. OR ("6645870").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:54
S60	17	("20020038791"   "5543184"   "5622635"   "5690781"   "5718795"   "5783492"   "5824605"   "5904780"   "6022460"   "6074516"   "6076482"   "6089182"   "6097157"   "6165567"   "6184158"   "6259209"   "6346915").PN. OR ("6808759"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 11:59
S61	4	("4341941"   "4423355"   "5783492"   "5985091").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 12:31
S63	15	("4464223" "4579618" "4612207"  "5399254" "5464499" "5534751"  "5998932" "6008130" "6019060"  "6098568" "6106663" "6178919"  "6270618" "6527911" "6602381" ).PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 12:40

## EAST Search History

S62	85	("3951843"   "4201579"   "4263088"   "4361461"   "4370195"   "4462863"   "4501061"   "4511430"   "4529860"   "4557796"   "4618398"   "4673456"   "4678539"   "4711698"   "4812201"   "4857140"   "4918031"   "4933300"   "4935661"   "4938839"   "4961820"   "4980022"   "5037506"   "5057187"   "5068040"   "5138973"   "5147499"   "5160408"   "5174856"   "5176790"   "5198634"   "5200031"   "5200361"   "5217560"   "5221424"   "5226056"   "5227341"   "5228052"   "5234529"   "5262279"   "5294292"   "5296093"   "5300460"   "5310456"   "5310703"   "5350480"   "5354417"   "5356478"   "5362358"   "5382316"   "5384167"   "5393374"   "5399237"   "5403434"   "5403436"   "5411631"   "5419805"   "5449432"   "5449433"   "5451293"   "5462635"   "5514247"   "5534231"   "5556521"   "5567271"   "5571366"   "5614060"   "5628871"   "5641382"   "5647913"   "5667630"   "5674357"   "5690781"   "5691117"   "5696428"   "5702869"   "5747387"   "5756400"   "5811022"   "5824604"   "6018065"   "6033993"   "6062237"   "6143191"   "6254792").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 12:40
S57	508	plasma same (ion adj implant\$4 immers\$4 piii dop\$4) and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool)) and (bias\$3 with (rf radio adj frequency))	US-PGPUB; USPAT	OR	ON	2005/09/30 13:00



## EAST Search History

S65	34	plasma and (ion adj implant\$4 immers\$4 piii dop\$4) and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool))	USOCR	OR	ON	2005/09/30 13:06
S66	44	("4746394"   "4808546"   "5183775"   "5196355"   "5289010"   "5296272"   "5305221"   "5311028"   "5342652"   "5354381"   "5380682"   "5427638"   "5436175"   "5498290"   "5525159"   "5554249"   "5554853"   "5580429"   "5641707"   "5661043"   "5711812"   "5822172"   "5854123"   "5856674"   "5928389"   "5985742"   "5994207"   "6010579"   "6013563"   "6027988"   "6048411"   "6082950"   "6083324"   "6099598"   "6103599"   "6122566"   "6132289").PN. OR ("6321134"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 13:17
S67	36	S66 and (ion piii)	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 13:34
S68	1624	(piii plasma with (ion near2 immers\$4 near2 implant\$4))	US-PGPUB; USPAT	OR	ON	2005/09/30 13:35
S52	128	plasma same (ion adj implant\$4 immers\$4 piii) and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool)) and (bias\$3 with (rf radio adj frequency))	US-PGPUB; USPAT	OR	ON	2005/09/30 13:35

## EAST Search History

S70	171	(US-20010042827-\$ or US-20020013022-\$ or US-20020047543-\$ or US-20020084032-\$ or US-20030013314-\$ or US-20030203123-\$ or US-20050005850-\$ or US-20050051272-\$ or US-20040017157-\$ or US-20030029567-\$).did. or (US-3907616-\$ or US-4116791-\$ or US-4382099-\$ or US-4385946-\$ or US-4434036-\$ or US-4465529-\$ or US-4481229-\$ or US-4500563-\$ or US-4521441-\$ or US-4539217-\$ or US-4565588-\$ or US-4584026-\$ or US-4698104-\$ or US-4764394-\$ or US-4778561-\$ or US-4867859-\$ or US-4871421-\$ or US-4892753-\$ or US-4912065-\$ or US-4937205-\$ or US-4948458-\$ or US-5040046-\$ or US-5061838-\$ or US-5074456-\$ or US-5106827-\$ or US-5107201-\$).did. or (US-5270250-\$ or US-5277751-\$ or US-5288650-\$ or US-5290382-\$ or US-5292393-\$ or US-5312778-\$ or US-5354381-\$ or US-5423945-\$ or US-5435881-\$ or US-5505780-\$ or US-5510011-\$ or US-5514603-\$ or US-5520209-\$ or US-5534231-\$ or US-5542559-\$ or US-5561072-\$ or US-5569363-\$ or US-5571366-\$ or US-5572038-\$ or US-5587038-\$ or US-5627435-\$ or US-5643838-\$ or US-5648701-\$ or US-5653811-\$ or US-5654043-\$ or US-5660895-\$ or US-5665640-\$).did. or (US-5674321-\$ or US-5683517-\$ or US-5711812-\$ or US-5718798-\$ or US-5770982-\$ or US-5888413-\$ or US-5897752-\$ or US-5911832-\$ or US-5935077-\$ or US-5944942-\$ or US-5948168-\$ or US-5985742-\$ or US-5994207-\$ or US-5994236-\$ or US-5998933-\$ or US-6000360-\$ or US-6013567-\$ or US-6020592-\$ or US-6027988-\$ or US-6036878-\$ or US-6041735-\$ or US-6050218-\$ or US-6076483-\$ or US-6095084-\$ or US-6096661-\$ or US-6099598-\$ or US-6101971-\$).did. or (US-6103599-\$ or US-6132552-\$ or US-6139697-\$ or US-6143126-\$ or US-6150628-\$ or US-6153524-\$ or US-6155090-\$ or US-6164241-\$ or US-6165376-\$ or US-6174450-\$ or US-6174742-\$ or US-6182604-\$	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2005/09/30 13:47
8/30/06 5:27:03 PM	C:\Documents and Settings\marand\My Documents\EAST\Workspaces\10646528.wsp					Page 18

## EAST Search History

S69	30	S68 and (bias\$3 with (rf radio adj frequency))	US-PGPUB; USPAT	OR	ON	2005/09/30 13:53
S73	5076	(applied adj materials).as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:07
S72	268	(kenneth near2 collins hiroji near2 hanawa kartik near2 ramaswamy andrew near2 nguyen amir near2 al-bayati biagio near2 gallo gonzalo near2 monroy).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:07
S77	493	S76 and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (apparatus process\$3 chamber tool)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:18
S76	1768	S73 and plasma.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:18
S75	32	S74 and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (apparatus process\$3 chamber tool)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:18
S74	148	S72 and plasma.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/30 14:18
S71	44	S70 and (bias\$3 with (rf radio adj frequency))	US-PGPUB; USPAT	OR	ON	2005/09/30 14:19
S80	1	("6733594").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/30 15:18
S45	1	("5654043").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/30 15:18
S82	1	("20040149218").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/30 17:27
S81	1	("20040107908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/30 17:27
S79	30	S78 not S75	US-PGPUB; USPAT	OR	ON	2005/12/21 12:26
S84	1	"20040112542".pn.	US-PGPUB; USPAT	OR	ON	2005/12/21 12:54
S85	4	((("6395150") or ("6413321") or ("20030013260") or ("20030085205")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/21 12:55

## EAST Search History

S88	4	S86 and (nozzle orifice) with (plurality)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:41
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## EAST Search History

S86	176	(US-20010042827-\$ or US-20020004309-\$ or US-20020013022-\$ or US-20020047543-\$ or US-20020084032-\$ or US-20030013314-\$ or US-20030029567-\$ or US-20030203123-\$ or US-20040017157-\$ or US-20050005850-\$ or US-20050051272-\$ or US-20030085205-\$ or US-20030013260-\$).did. or (US-3907616-\$ or US-4116791-\$ or US-4382099-\$ or US-4385946-\$ or US-4434036-\$ or US-4465529-\$ or US-4481229-\$ or US-4500563-\$ or US-4521441-\$ or US-4539217-\$ or US-4565588-\$ or US-4579618-\$ or US-4584026-\$ or US-4698104-\$ or US-4764394-\$ or US-4778561-\$ or US-4867859-\$ or US-4871421-\$ or US-4892753-\$ or US-4912065-\$ or US-4937205-\$ or US-4948458-\$ or US-5040046-\$ or US-5061838-\$ or US-5074456-\$ or US-5106827-\$).did. or (US-5107201-\$ or US-5270250-\$ or US-5277751-\$ or US-5288650-\$ or US-5290382-\$ or US-5292393-\$ or US-5312778-\$ or US-5354381-\$ or US-5423945-\$ or US-5435881-\$ or US-5505780-\$ or US-5510011-\$ or US-5514603-\$ or US-5520209-\$ or US-5534231-\$ or US-5542559-\$ or US-5561072-\$ or US-5569363-\$ or US-5571366-\$ or US-5572038-\$ or US-5587038-\$ or US-5627435-\$ or US-5643838-\$ or US-5648701-\$ or US-5653811-\$ or US-5654043-\$ or US-5660895-\$).did. or (US-5665640-\$ or US-5674321-\$ or US-5683517-\$ or US-5711812-\$ or US-5718798-\$ or US-5770982-\$ or US-5789318-\$ or US-5888413-\$ or US-5897752-\$ or US-5911832-\$ or US-5935077-\$ or US-5944942-\$ or US-5948168-\$ or US-5985742-\$ or US-5994207-\$ or US-5994236-\$ or US-5998933-\$ or US-6000360-\$ or US-6013567-\$ or US-6020592-\$ or US-6027988-\$ or US-6028285-\$ or US-6036878-\$ or US-6041735-\$ or US-6050218-\$ or US-6076483-\$ or US-6095084-\$).did. or (US-6096661-\$ or US-6099598-\$ or US-6101971-\$ or US-6103599-\$ or US-6122552-\$ or US-6126607-\$	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2005/12/21 13:41
8/30/06 5:27:03 PM	C:\Documents and Settings\maranda\My Documents\EAST\Workspaces\10646528.wsp					Page 21

## EAST Search History

S89	27	("5500256"   "5522934"   "5532190").PN. OR ("5683517").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 13:42
S83	1	("20040112542").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/21 15:39
S90	1	("6939434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/21 15:50
S92	1	S91 and capacitive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 15:51
S94	149	S93 and plasma.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 16:00
S93	277	(kenneth near2 collins hiroji near2 hanawa kartik near2 ramaswamy andrew near2 nguyen amir near2 al-bayati biagio near2 gallo gonzalo near2 monroy).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 16:00
S98	152	S97 and (bias\$3 near3 (rf radio adj frequency)).clm.	US-PGPUB; USPAT	OR	ON	2005/12/21 16:01
S97	1817	S96 and plasma.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 16:01
S96	5208	(applied adj materials).as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 16:01
S95	57	S94 and (bias\$3 near3 (rf radio adj frequency)).clm.	US-PGPUB; USPAT	OR	ON	2005/12/21 16:01
S78	46	S77 and (bias\$3 near3 (rf radio adj frequency)).clm.	US-PGPUB; USPAT	OR	ON	2005/12/21 16:01
S99	160	S95 S98	US-PGPUB; USPAT	OR	ON	2005/12/21 16:02
S91	2	((("6494986") or ("6939434"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/21 17:33

## EAST Search History

S10 0	42	("4384918"   "4412133"   "4480284"   "4645218"   "4665463"   "4832781"   "4935661"   "5055964"   "5104834"   "5117121"   "5151845"   "5166856"   "5191506"   "5258047"   "5269847"   "5270266"   "5275683"   "5280156"   "5315473"   "5324053"   "5324411"   "5325261"   "5350479"   "5376213"   "5382469"   "5455070"   "5463526"   "5522934"   "5542559"   "5556521"   "5653808"   "5683517"   "5710407"   "5720818"   "5767628"   "5870271"   "5882417"   "5886863"   "5936829"   "5948168"   "6001267"   "6108189").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/21 17:37
S10 1	3	S86 and (nozzle orifice) with (base support bottom)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 17:41
S10 2	6	("6263829").URPN.	USPAT	OR	ON	2005/12/21 17:43
S10 5	18	S104 not S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 17:47
S10 4	21	S86 and (nozzle orifice inlet) with (lower bottom base support peripher\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 17:47
S10 3	85	S86 and (nozzle orifice inlet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 17:47

## EAST Search History

S87	43	S86 and (nozzle orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 17:47
S10 6	8099	((118/723E) or (145/345.43) or (118/715) or (118/722) or (118/723R)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 17:59
S42	94	plasma same (ion adj implant\$4 immers\$4 piii) same (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool))	US-PGPUB; USPAT	OR	ON	2005/12/21 17:59
S10 7	154	plasma same (ion adj implant\$4 immers\$4 piii) and S106	US-PGPUB; USPAT	OR	ON	2005/12/21 18:00
S10 8	6340	plasma and (ion adj implant\$4 immers\$4 piii dop\$4)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 18:01
S64	53	plasma and (ion adj implant\$4 immers\$4 piii dop\$4) and (cluster\$5 multichamber multi adj chamber (multiple plurality second next) near2 (chamber tool))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 18:01
S11 0	9	plasma near5 (ion adj implant\$4 immers\$4 piii dop\$4) and (bias\$3 near3 (rf radio adj frequency))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 18:02
S10 9	1396	plasma near5 (ion adj implant\$4 immers\$4 piii dop\$4)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 18:02
S11 1	1	("20040107908").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/25 12:30



## EAST Search History

S11 3	179	(US-20030203123-\$ or US-20020047543-\$ or US-20020004309-\$ or US-20050005850-\$ or US-20020084032-\$ or US-20030013314-\$ or US-20010042827-\$ or US-20050051272-\$ or US-20020013022-\$ or US-20040017157-\$ or US-20030029567-\$ or US-20030013260-\$ or US-20030085205-\$).did. or (US-5312778-\$ or US-5944942-\$ or US-6050218-\$ or US-6076483-\$ or US-5985742-\$ or US-6418874-\$ or US-6413321-\$ or US-6305316-\$ or US-3907616-\$ or US-6348126-\$ or US-4382099-\$ or US-5911832-\$ or US-5569363-\$ or US-5520209-\$ or US-5660895-\$ or US-5277751-\$ or US-6155090-\$ or US-6291938-\$ or US-5354381-\$ or US-6164241-\$ or US-5683517-\$ or US-4434036-\$ or US-6433553-\$ or US-4892753-\$ or US-5270250-\$ or US-5107201-\$).did. or (US-4500563-\$ or US-6838695-\$ or US-6182604-\$ or US-4912065-\$ or US-4871421-\$ or US-6417078-\$ or US-6291313-\$ or US-6528391-\$ or US-6559408-\$ or US-5643838-\$ or US-5888413-\$ or US-4867859-\$ or US-5572038-\$ or US-5510011-\$ or US-6341574-\$ or US-5897752-\$ or US-5627435-\$ or US-6207005-\$ or US-5711812-\$ or US-6410449-\$ or US-6099598-\$ or US-6143126-\$ or US-6096661-\$ or US-6041735-\$ or US-6153524-\$ or US-5935077-\$ or US-6165376-\$).did. or (US-5074456-\$ or US-6350697-\$ or US-6800559-\$ or US-6235634-\$ or US-5665640-\$ or US-5587038-\$ or US-6338313-\$ or US-5998933-\$ or US-5994236-\$ or US-5674321-\$ or US-6391114-\$ or US-5040046-\$ or US-6770143-\$ or US-5994207-\$ or US-6150628-\$ or US-4698104-\$ or US-5948168-\$ or US-4539217-\$ or US-4521441-\$ or US-6132552-\$ or US-6514838-\$ or US-6174743-\$ or US-6453842-\$ or US-6409879-\$ or US-5561072-\$ or US-4778561-\$ or US-6174450-\$).did. or (US-6303519-\$ or US-6468388-\$ or US-6494986-\$ or US-6265328-\$ or US-4285046-\$ or US-6101071-\$	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/05/25 12:56
8/30/06 5:27:03 PM	C:\Documents and Settings\maria\My Documents\Workspaces\10646528.wsp					Page 25

## EAST Search History

S11 2	1274	plasma and push-pull	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 12:56
S11 4	2	S112 and S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 12:57
S11 6	25	S112 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/25 12:58
S11 5	30334	((118/7\$) or (156/345.\$)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/25 12:58
S1	1992	(118/719).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/29 19:34
S11 8	68	("4565601"   "4668365"   "4771730"   "4842683"   "5211796"   "5221403"   "5270266"   "5290381").PN. OR ("5542559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 19:45
S11 9	38	("4878995"   "4956043").PN. OR ("5221403").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 20:03
S12 0	68	("4565601"   "4668365"   "4771730"   "4842683"   "5211796"   "5221403"   "5270266"   "5290381").PN. OR ("5542559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 20:06

## EAST Search History

S12 1	184	(US-20010042827-\$ or US-20020004309-\$ or US-20020013022-\$ or US-20020047543-\$ or US-20020084032-\$ or US-20030013260-\$ or US-20030013314-\$ or US-20030029567-\$ or US-20030085205-\$ or US-20030203123-\$ or US-20040017157-\$ or US-20050005850-\$ or US-20050051272-\$ or US-20040194890-\$).did. or (US-6679981-\$ or US-6417078-\$ or US-5292393-\$ or US-4579618-\$ or US-5520209-\$ or US-5571366-\$ or US-4584026-\$ or US-6859746-\$ or US-6897100-\$ or US-5270250-\$ or US-5561072-\$ or US-6899109-\$ or US-6905625-\$ or US-5106827-\$ or US-3907616-\$ or US-4698104-\$ or US-5514603-\$ or US-4382099-\$ or US-4867859-\$ or US-4500563-\$ or US-5277751-\$ or US-4116791-\$ or US-5290382-\$ or US-4912065-\$ or US-4434036-\$ or US-5288650-\$).did. or (US-4465529-\$ or US-5354381-\$ or US-5510011-\$ or US-6392351-\$ or US-4764394-\$ or US-4937205-\$ or US-5935077-\$ or US-5061838-\$ or US-6551446-\$ or US-6767698-\$ or US-5888413-\$ or US-5897752-\$ or US-6036878-\$ or US-6335536-\$ or US-6103599-\$ or US-4565588-\$ or US-5572038-\$ or US-6579805-\$ or US-4539217-\$ or US-6418874-\$ or US-6300643-\$ or US-6339297-\$ or US-5770982-\$ or US-6028285-\$ or US-6013567-\$ or US-5683517-\$ or US-6041735-\$).did. or (US-5711812-\$ or US-6433553-\$ or US-6461972-\$ or US-6838695-\$ or US-6150628-\$ or US-6095084-\$ or US-5653811-\$ or US-6321134-\$ or US-6528391-\$ or US-6559408-\$ or US-6410449-\$ or US-6050218-\$ or US-5789318-\$ or US-6513538-\$ or US-6139697-\$ or US-4481229-\$ or US-6413321-\$ or US-5654043-\$ or US-6511899-\$ or US-5998933-\$ or US-5985742-\$ or US-6514838-\$ or US-6341574-\$ or US-6248642-\$ or US-6239553-\$ or US-6027988-\$ or US-6099598-\$).did. or (US-6650955-\$ or US-5948168-\$ or US-6020502-\$ or US-5555540-\$	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/08/29 20:09
8/30/06 5:27:03 PM	C:\Documents and Settings\malancipal\My Documents\EAST\Workspaces\10646528.wsp					Page 27

## EAST Search History

S12 2	120	S121 and (bias\$4 voltage power rf electric\$3 electrically) with (connect\$4 plug insert\$4 coax\$3 co-ax\$3 wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:12
S12 4	519	(279/128).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/29 20:13
S12 5	707	(361/234).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/29 20:14
S12 3	57	S121 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bias\$4 voltage power rf electric\$3 electrically) with (connect\$4 plug insert\$4 coax\$3 co-ax\$3 wire))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:17
S12 6	10	S121 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bias\$4 voltage power rf electric\$4) with (plug insert\$4 coax\$3 co-ax\$3 wire))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:20
S11 7	4	10/646528	US-PGPUB	OR	ON	2006/08/29 20:22
S13 0	20	10/164327	US-PGPUB	OR	ON	2006/08/29 20:23
S12 9	1	10/164127	US-PGPUB	OR	ON	2006/08/29 20:23
S13 1	1	("2002/0036881").URPN.	USPAT	OR	ON	2006/08/29 20:30
S12 8	162	S125 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bias\$4 voltage power rf electric\$4) with (plug insert\$4 coax\$3 co-ax\$3 wire))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:34

## EAST Search History

S12 7	77	S124 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bias\$4 voltage power rf electric\$4) with (plug insert\$4 coax\$3 co-ax\$3 wire))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:42
S13 3	6	("4431473"   "5215619"   "5350479"   "5669977"   "5796066"   "5956837").PN. OR ("6958098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 20:45
S13 2	18	S124 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bolt screw fasten\$4) with (insulat\$4 dielectric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:46
S13 6	469420	((118/7\$) or (156/345.\$)).CCLS. or (("216") or ("438") or ("427") or ("204")).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/29 20:54
S13 5	22	("4412133"   "4520421"   "4551192"   "5117121"   "5255153"   "5345999"   "5382311"   "5463526"   "5511799"   "5530616"   "5583736"   "5625526"   "5656093"   "5745332"   "5748434"   "5764471"   "5781400"   "5798904"   "5923521").PN. OR ("6219219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 20:54
S13 4	31	S125 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bolt screw fasten\$4) with (insulat\$4 dielectric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:54
S13 7	1399	S136 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bolt screw fasten\$4) with (insulat\$4 dielectric))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:55
S13 8	1023	S136 and (chuck\$3 hold\$3 esc pedestal susceptor support\$3) same ((bolt screw fasten\$4) with (insulat\$4 dielectric)) same (ring\$4 annul\$4 side wall)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 20:56

## EAST Search History

S13 9	218	S138 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 21:03
S14 1	5	("5078851"   "5486974"   "5691876").PN. OR ("5948165"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 21:10

## EAST Search History

S14 2	191	(US-20010042827-\$ or US-20020004309-\$ or US-20020013022-\$ or US-20020047543-\$ or US-20020084032-\$ or US-20030013260-\$ or US-20030013314-\$ or US-20030029567-\$ or US-20030085205-\$ or US-20030203123-\$ or US-20040017157-\$ or US-20050005850-\$ or US-20050051272-\$ or US-20040194890-\$ or US-20020036881-\$ or US-20010052321-\$).did. or (US-6679981-\$ or US-6417078-\$ or US-5292393-\$ or US-4579618-\$ or US-5520209-\$ or US-5571366-\$ or US-4584026-\$ or US-6859746-\$ or US-6897100-\$ or US-5270250-\$ or US-5561072-\$ or US-6899109-\$ or US-6905625-\$ or US-5106827-\$ or US-3907616-\$ or US-4698104-\$ or US-5514603-\$ or US-4382099-\$ or US-4867859-\$ or US-4500563-\$ or US-5277751-\$ or US-4116791-\$ or US-5290382-\$ or US-4912065-\$ or US-4434036-\$ or US-5288650-\$).did. or (US-4465529-\$ or US-5354381-\$ or US-5510011-\$ or US-6392351-\$ or US-4764394-\$ or US-4937205-\$ or US-5935077-\$ or US-5061838-\$ or US-6551446-\$ or US-6767698-\$ or US-5888413-\$ or US-5897752-\$ or US-6036878-\$ or US-6335536-\$ or US-6103599-\$ or US-4565588-\$ or US-5572038-\$ or US-6579805-\$ or US-4539217-\$ or US-6418874-\$ or US-6300643-\$ or US-6339297-\$ or US-5770982-\$ or US-6028285-\$ or US-6013567-\$ or US-5683517-\$ or US-6041735-\$).did. or (US-5711812-\$ or US-6433553-\$ or US-6461972-\$ or US-6838695-\$ or US-6150628-\$ or US-6095084-\$ or US-5653811-\$ or US-6321134-\$ or US-6528391-\$ or US-6559408-\$ or US-6410449-\$ or US-6050218-\$ or US-5789318-\$ or US-6513538-\$ or US-6139697-\$ or US-4481229-\$ or US-6413321-\$ or US-5654043-\$ or US-6511899-\$ or US-5998933-\$ or US-5985742-\$ or US-6514838-\$ or US-6341574-\$ or US-6248642-\$ or US-6239553-\$ or US-6027988-\$ or US-6000500-\$).did. or	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/08/29 21:23
8/30/06 5:27:03 PM	C:\Documents and Settings\marandip\My Documents\EAST\Workspaces\10646528.wsp					Page 31

## EAST Search History

S14 0	106	S137 and plasma not S139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 21:24
S14 4	14	S142 and (puls\$3 with bias\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 21:25
S14 3	52	S142 and puls\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 21:25
L13	17	("4135097"   "4595837"   "4764394"   "4786814"   "5126163"   "5354381"   "5558718"   "5572038"   "5654043"   "5711812"   "5911832"   "6050218").PN. OR ("6335536").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 09:32
L14	1202	((118/723i) or (118/723ir) or (156/345.48) or (156/345.49)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 09:33
L15	39	14 and (puls\$4 near5 (source ignit\$4 coil\$3 antenna)) and (puls\$4 near5 (bias\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 09:34
L16	22	("5614060"   "5683538"   "5685942"   "5824606").PN. OR ("5935373").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 09:40
L18	528	(156/345.51).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 09:48



## EAST Search History

L17	78	("3940506"   "4075583"   "4180432"   "4263088"   "4283249"   "4401507"   "4412119"   "4500563"   "4568410"   "4568563"   "4585516"   "4654114"   "4693805"   "4717447"   "4734157"   "4749589"   "4793897"   "4807016"   "4824690"   "4836886"   "4836887"   "4857140"   "4863549"   "4891118"   "4897365"   "4918031"   "4933300"   "4935661"   "4970435"   "4985112"   "4994715"   "5007982"   "5108542"   "5112435"   "5153442"   "5160408"   "5188704"   "5201994"   "5217567"   "5219485"   "5227331"   "5231057"   "5234529"   "5242538"   "5259924"   "5284549"   "5286297"   "5286344"   "5289010"   "5310452"   "5312518"   "5318664"   "5318668"   "5332441"   "5344792"   "5354381"   "5354417"   "5362358"   "5399237"   "5401350"   "5419805"   "5449432"   "5514603"   "5534231"   "5556501"   "5556521"   "5558722"   "5571366"   "5647913"   "5690781"   "5696428"   "5811022"   "5928528"   "5983828"   "6068784"   "6231777"   "6253704"   "6395641").PN. OR ("6794301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 09:48
L20	68	("4565601"   "4668365"   "4771730"   "4842683"   "5211796"   "5221403"   "5270266"   "5290381").PN. OR ("5542559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:08
L23	472	22 not 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 13:11

## EAST Search History

L22	599	21 and (bolt screw fasten\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 13:11
L21	2787	(118/728).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/30 13:11
L19	198	18 and (bolt screw fasten\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 13:11
L25	0	("2002/0053513").URPN.	USPAT	OR	ON	2006/08/30 13:41
L24	0	("2002/0053513").URPN.	USPAT	OR	ON	2006/08/30 13:41
L27	8	("4565601"   "4668365"   "4771730"   "4842683"   "5211796"   "5221403"   "5270266"   "5290381").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 16:09
L28	2	("4878995"   "4956043").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 16:13